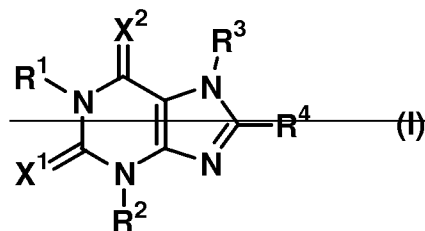


b.) Amendment to the Claims

Claims 1-8 (Cancelled).

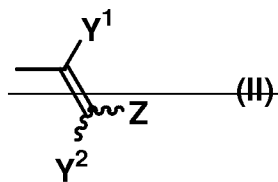
9. (Currently Amended) A method for ~~preventing and/or~~ treating an impairment of higher brain function caused by brain injury due to head trauma, said impairment being selected from the group consisting of memory, thinking, recognition, action and learning, comprising administering to a patient in need thereof an effective amount of (E)-8-(3,4-dimethoxystyryl)-1,3-diethyl-7-methylxanthine ~~a xanthine derivative represented by formula (I)~~



wherein

R^1 , R^2 and R^3 independently represent a hydrogen atom, lower alkyl, lower alkenyl, or lower alkynyl;

R^4 represents cycloalkyl, $(CH_2)_n-R^5$ (wherein R^5 represents a substituted or unsubstituted aryl, or a substituted or unsubstituted heterocyclic group; and n represents an integer of 0 to 4) or a group represented by formula (II):



wherein Y^1 and Y^2 independently represent a hydrogen atom, halogen or lower alkyl; and Z represents substituted or unsubstituted aryl, or a substituted or unsubstituted heterocyclic group); and

X^1 and X^2 independently represent an oxygen atom or a sulfur atom,

or a pharmaceutically acceptable salt thereof.

10. (Previously Presented) The method according to claim 9, wherein the impairment of higher brain function is selected from the group consisting of agnosia, amnesia and apraxia.

11. (Previously Presented) The method according to claim 9, wherein the impairment of higher brain function is a memory impairment.

12. (Previously Presented) The method according to claim 9, wherein the impairment of higher brain function is a learning impairment.

Claims 13-16 (Cancelled).